In the claims

1. (currently amended) A polymer precursor compound represented by 1:

wherein:

Poly represents a polymer;

L is selected from:

R represents polycyclic aryl, or heteroaryl;

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Y represents hydrogen, alkyl, alkoxyl, carbonyl, formyl, amido, amino, alkylamino, dialkylamino, carboxamido, acylamino, (heterocyclcyl)acylamino, alkylcarboxyamido, C(O)-R₄ or C(O)NH-R₄;

R₃ represents independently for each occurrence alkyl, alkenyl or alkynyl;

 R_4 represents hydrogen, alkyl, alkenyl, heteroalkyl, cycloalkyl, heterocycloalkyl, aryl, heteroaryl, aralkyl, heteroaralkyl, peptide, protein, amino acid, antibody, nucleotide, nucleoside, or -(CH₂)_m-R₈₀;

 R_{80} represents independently for each occurrence aryl, cycloalkyl, cycloalkenyl, heterocyclyl, or polycyclyl; and

m is an integer in the range 0 to 8 inclusive.

- 2. (original) The polymer precursor compound of claim 1, wherein L is R₃-Sn-R₃.
- 3. (**original**) The polymer precursor compound of claim 2, wherein Y is alkoxyl, formyl, amido, dialkylamino, carboxamido, alkoxyl, alkylcarboxyamido, C(O)-R₄ or C(O)NH-R₄.
- 4. (currently amended) The polymer precursor compound of claim 3, wherein Y is C(O)-R₄ or C(O)NH-R₄.

- 5. (original) The polymer precursor compound of claim 1 wherein R₄ is a peptide, protein, amino acid, antibody, nucleotide or nucleoside.
- 6. (original) The polymer precursor compound of claim 4 wherein R₄ is a peptide, protein, amino acid, antibody, nucleotide or nucleoside.
- 7. (original) The polymer precursor compound of claim 6 wherein R_4 is a peptide or protein.
- 8. (original) The polymer precursor compound of claim 6 wherein R₄ is a nucleotide or a nucleoside.
- 9. (original) The polymer precursor compound of claim 2 wherein R_3 is alkyl.
- 10. (original) The polymer precursor compound of claim 2 wherein R_3 is butyl.
- 11. (original) The polymer precursor compound of claim 11 wherein said polymer is functionalized by the moiety L on substantially all monomeric units.
- 12. (original) The polymer precursor compound of claim 1 wherein said polymer is insoluble.
- 13. (original) The polymer precursor compound of claim 12 wherein said polymer is polystyrene, polyurethrane, poly(ethylene-co-vinyl acetate), polyethylene, polystyrene /rubber, or poly(ethylene-co-propylene).
- 14. (original) The polymer precursor compound of claim 13 wherein said polymer is polystyrene.
- 15. (currently amended) The compounds A compound selected from the group consisting of:

 Poly (4S, 5S) 2-(4-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl}phenyl) 3, 4-dimethyl-5-phenyl-1, 3-oxazolidine) co-divinylbenzene;

Poly-(4S, 5S)-2-(4-{dibutyl[2-(-4-vinylphenyl)ethyl]stannyl}phenyl)-3, 4-dimethyl-5-phenyl-1, 3-oxazolidine)-co-divinylbenzene;

Poly (3-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl} benzaldehyde) co-divinylbenzene;
Poly (3-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl} benzaldehyde) co-divinylbenzene;
Poly (4-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl} benzaldehyde) co-divinylbenzene;
Poly (4-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl} benzaldehyde) co-divinylbenzene;

Poly (3-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl}benzoic acid) co-divinylbenzene;
Poly (3-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}benzoic acid) co-divinylbenzene;
Poly (4-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl}benzoic acid) co-divinylbenzene;
Poly (4-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}benzoic acid) co-divinylbenzene;
Poly (4-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl}hippuric acid) co-divinylbenzene,
(4-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}hippuric acid) co-divinylbenzene;

Poly-(4-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl} N, N-diethylethylenediamino-benzamidyl)-co-divinylbenzene;

Poly (4-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl} N, N-diethylethylenediamino-benzamidyl) co-divinylbenzene;

Poly-(4-{dibutyl[2-(3-vinylphenyl)ethyl]stannyl} N-succinimidyl ester)-co-divinylbenzene;
Poly-(4-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl} N-succinimidyl ester)-co-divinylbenzene;
Poly-(4S, 5S)-2-(5-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}-2, 3-dihydrobenzofuran-7-yl)-3, 4-dimethyl-5-phenyl-1, 3-oxazolidine-co-divinylbenzene;

Poly-5-{dibutyl[2-(4-vinylphenyl)ethyl]stannyl}-2, 3-dihydrobenzofuran-7-carbaldehyde-co-divinylbenzene; and

Poly-5-{Dibutyl[2-(4-vinylphenyl)ethyl]stannyl}-2, 3-dihydrobenzofuran-7-carboxylic acid-co-divinylbenzene.

- 16. (currently amended) A method for preparing a radiolabeled compound, the method comprising: reacting a compound of any <u>one</u> of claims 1 15 with an oxidant, a radiolabeled compound and optionally a buffer.
- 17. (original) A method of claim 16, further comprising a purification of the radiolabeled compound.
- 18. (**original**) A kit containing a radiolabeling system, comprising: a polymer precursor compound and instructions for using said polymer precursor compound, wherein said polymer precursor compound comprises the polymer precursor compound of claim 1.

- 19. (original) The kit of claim 18 that further includes a filter or a filtration device.
- 20. (original) The kit of claim 19 that further includes a chelating agent and optionally an auxiliary molecule.
- 21. (currently amended) A method of synthesizing radiolabeled benzamides on a solid support which comprises comprising:
 - a) selecting a solid support comprising at least one compound attached to said solid support which compound comprises a benzoic acid moiety;
 - b) reacting said moiety of said compound attached to said solid support with at least one amine to afford a benzamide bound to a solid support; and
 - c) reacting said benzamide bound to said solid support with a radiolabeled compound or isotope, and an oxidant to yield said radiolabeled benzamides.
- 22. (original) The method of claim 21 wherein the radioisotope is selected from the group consisting of ¹⁸F, ¹¹C, ⁷⁶Br, ¹²³I, ¹³¹I and ¹²⁵I.